

FIG. 1

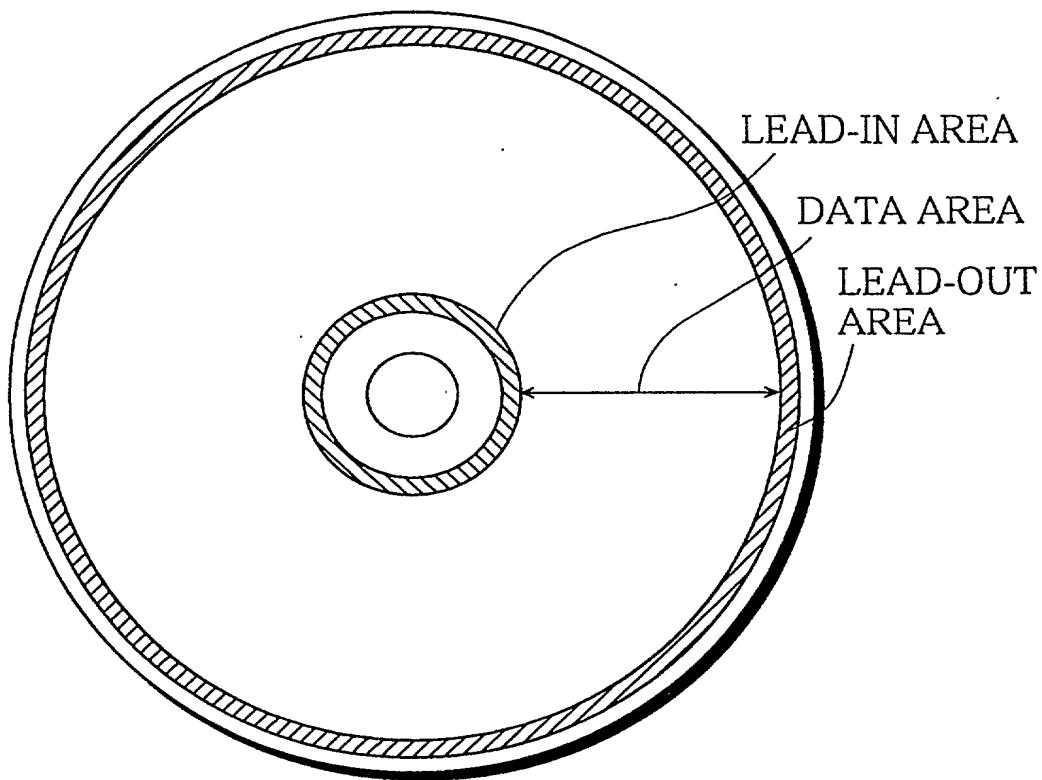


FIG. 2

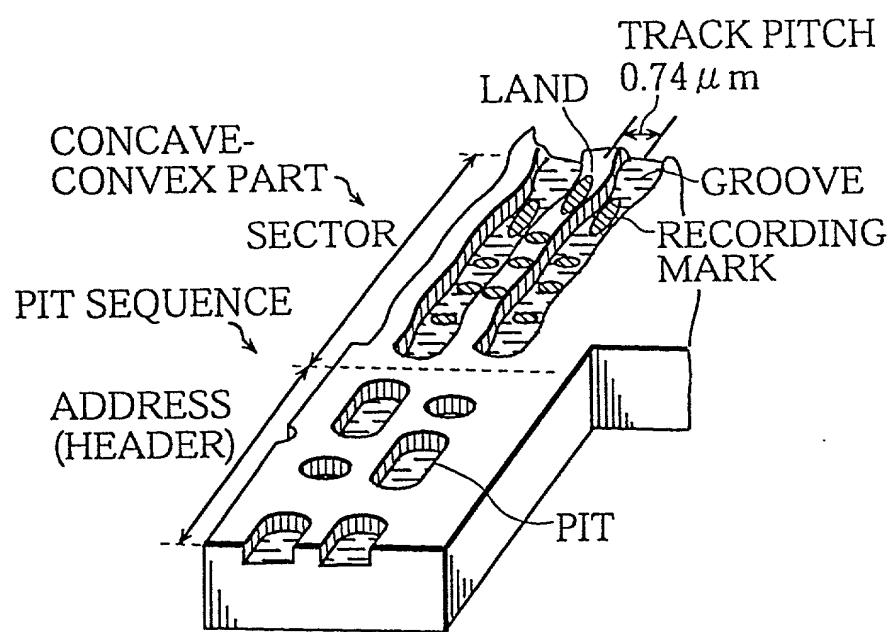


FIG. 3A

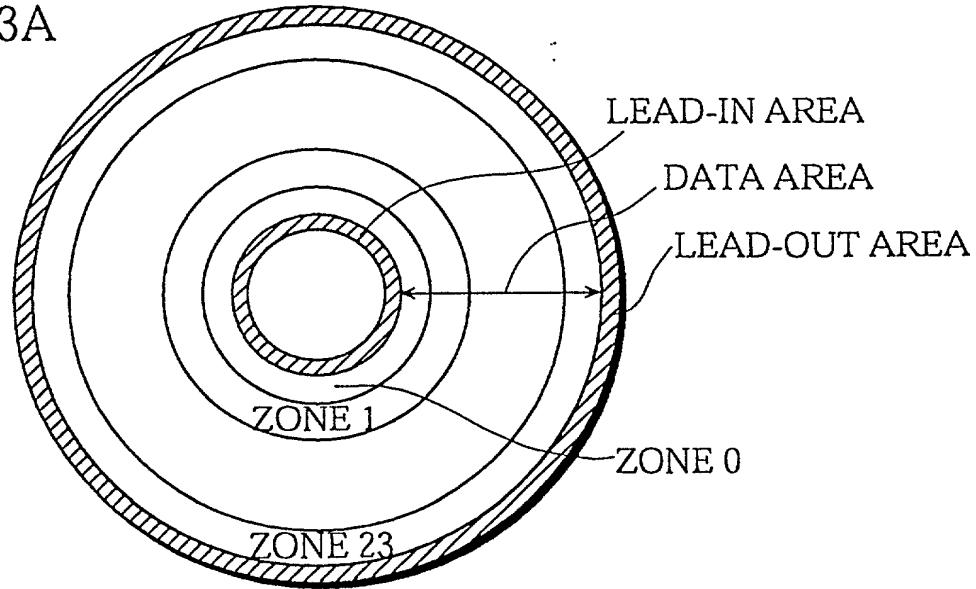


FIG. 3B

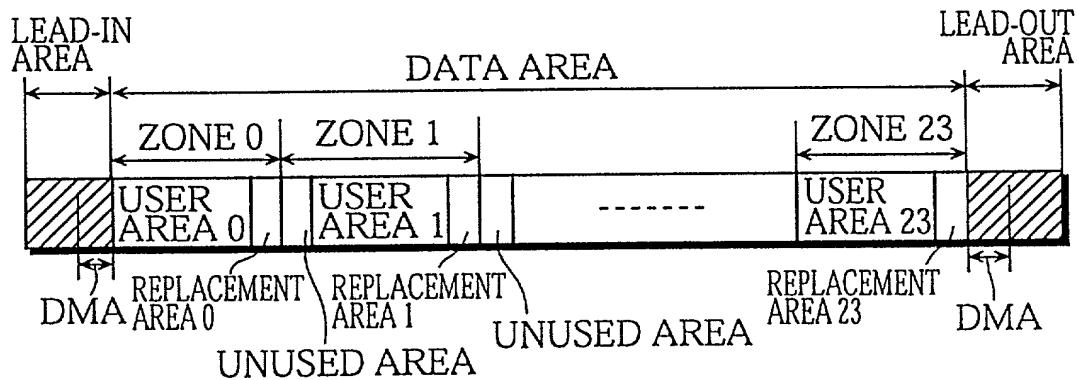


FIG. 3C

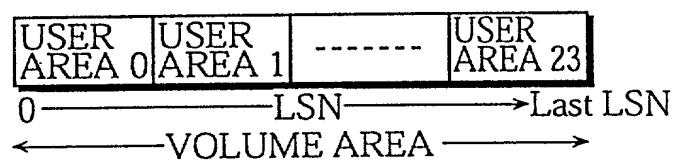


FIG. 3D

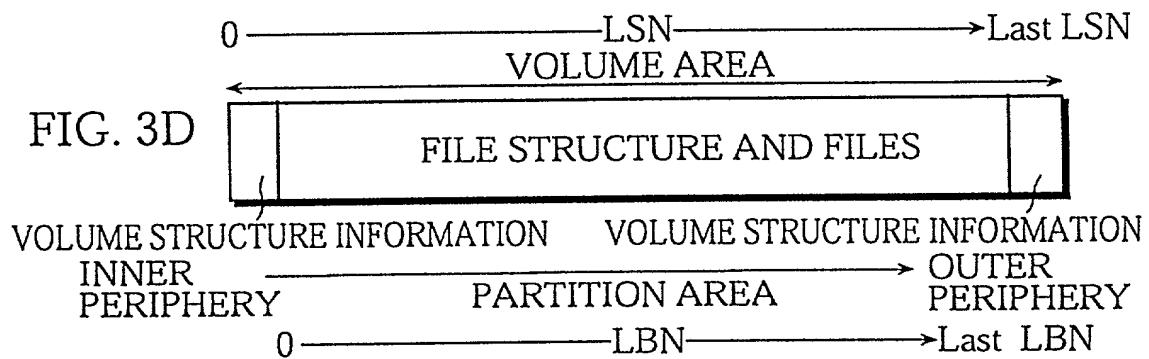


FIG. 4

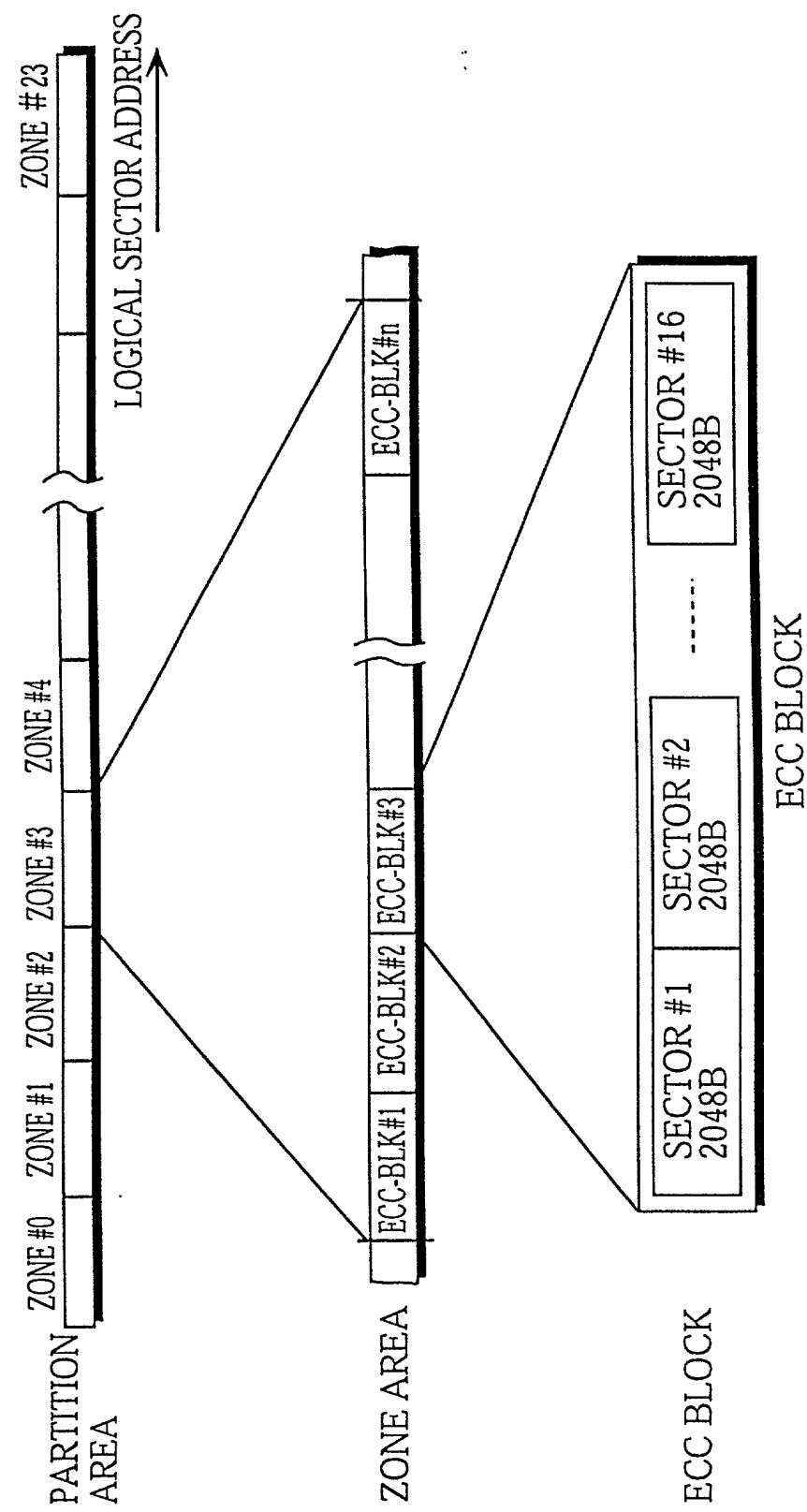


FIG. 5

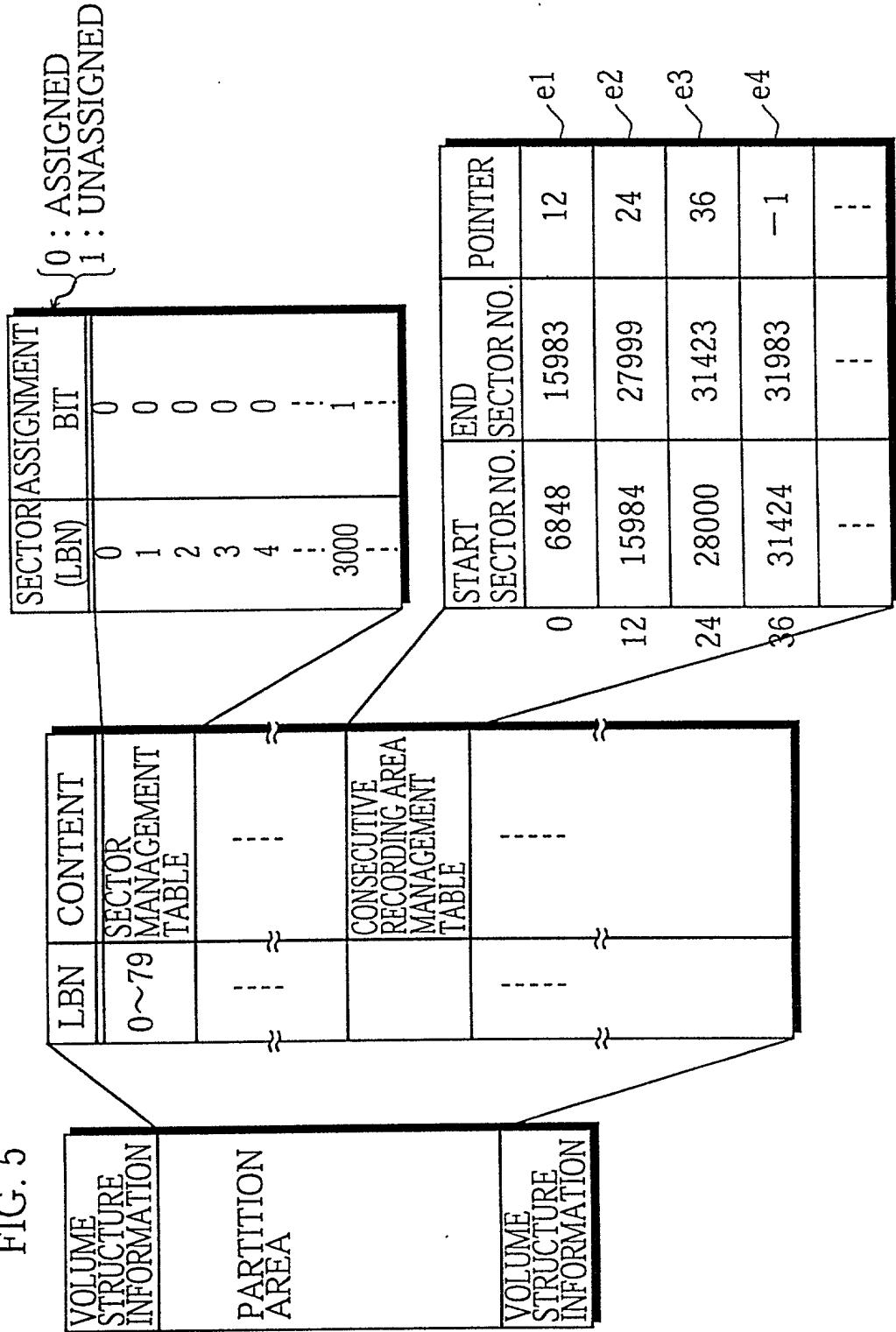


FIG. 6

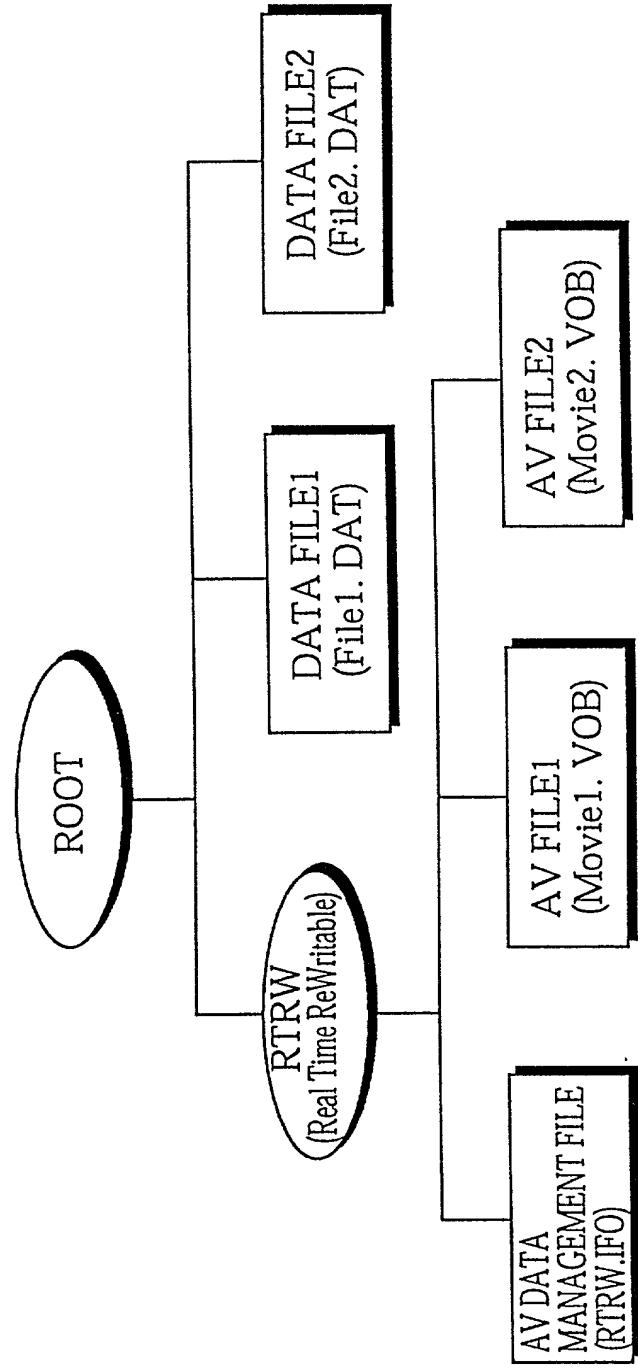


FIG. 7

AV FILES

VOB#1	(Movie1.VOB)
VOB#2	(Movie2.VOB)
:	
VOB#N	

FIG. 8

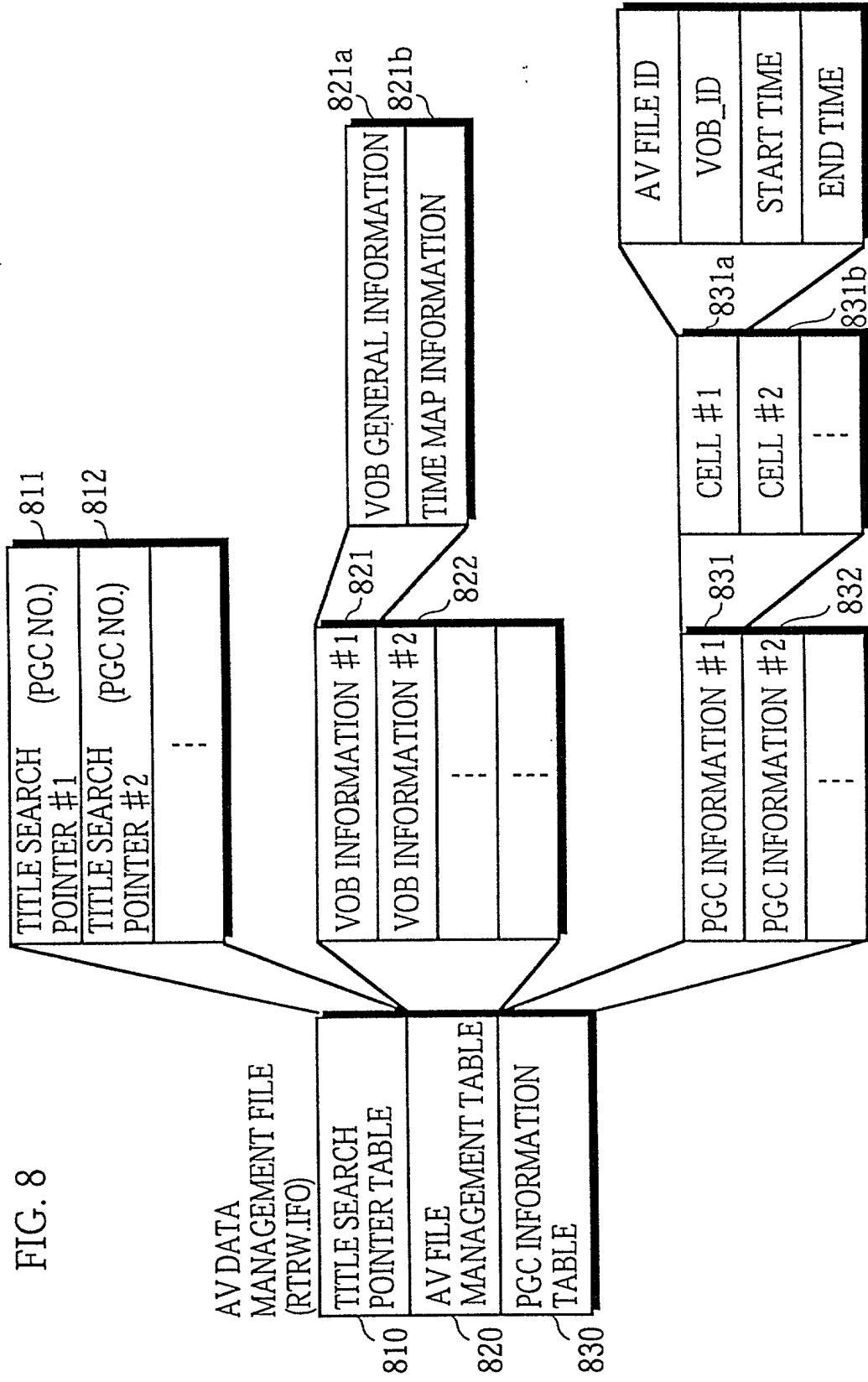


FIG. 9

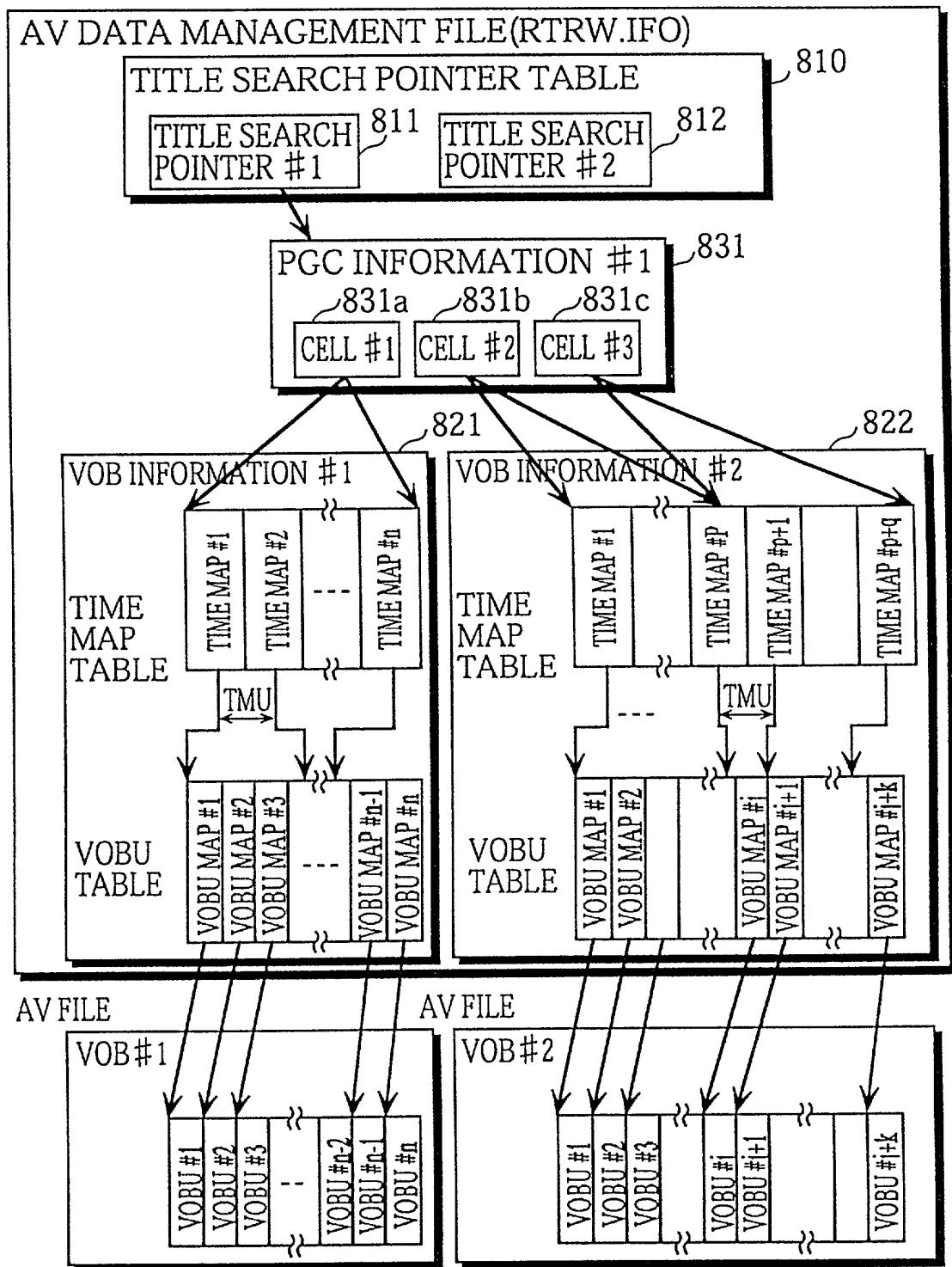


FIG. 10

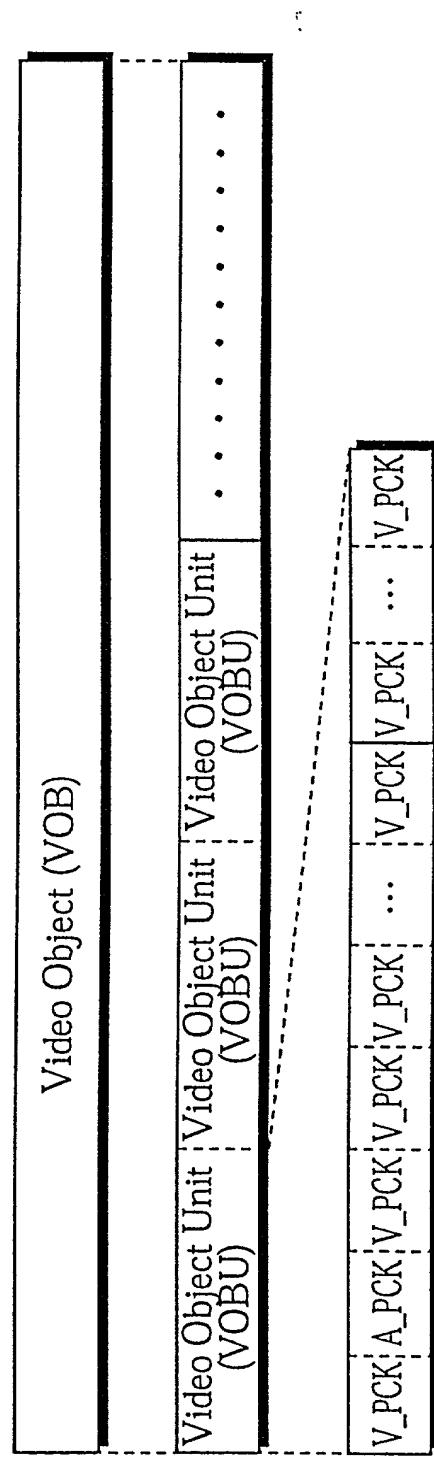


FIG. 11

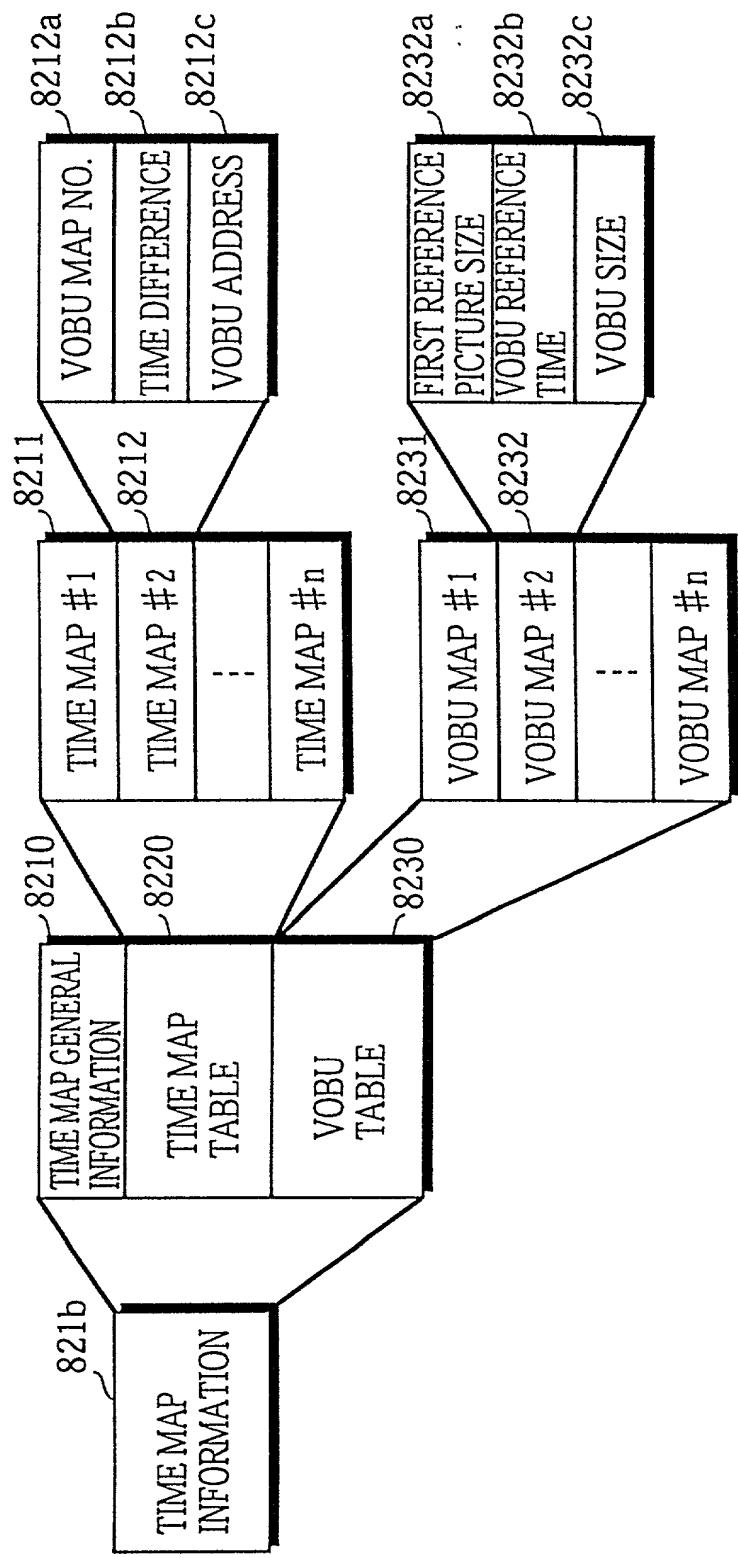


FIG. 12

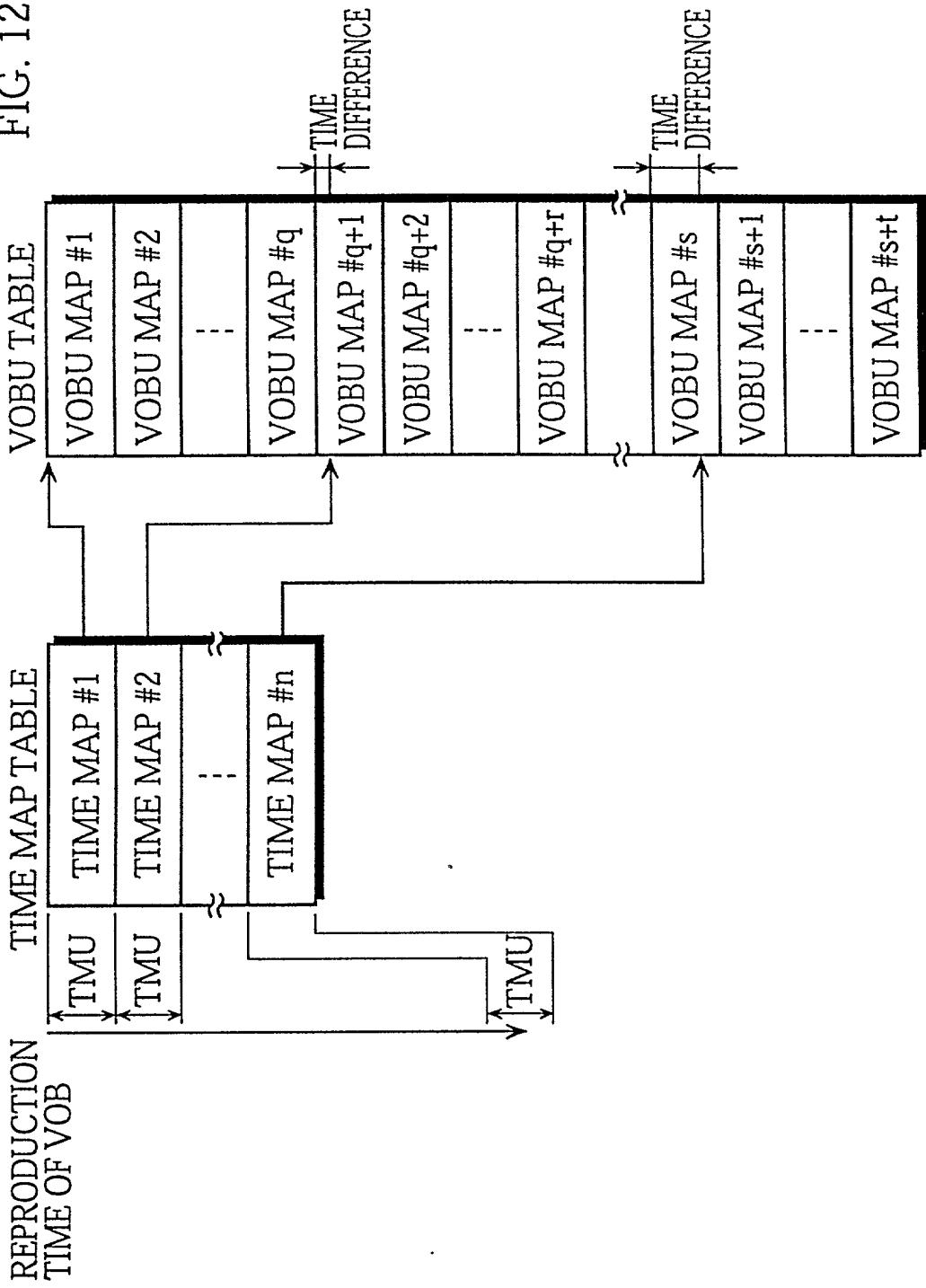


FIG. 13

REPRODUCTION  
TIME OF VOB

$t$

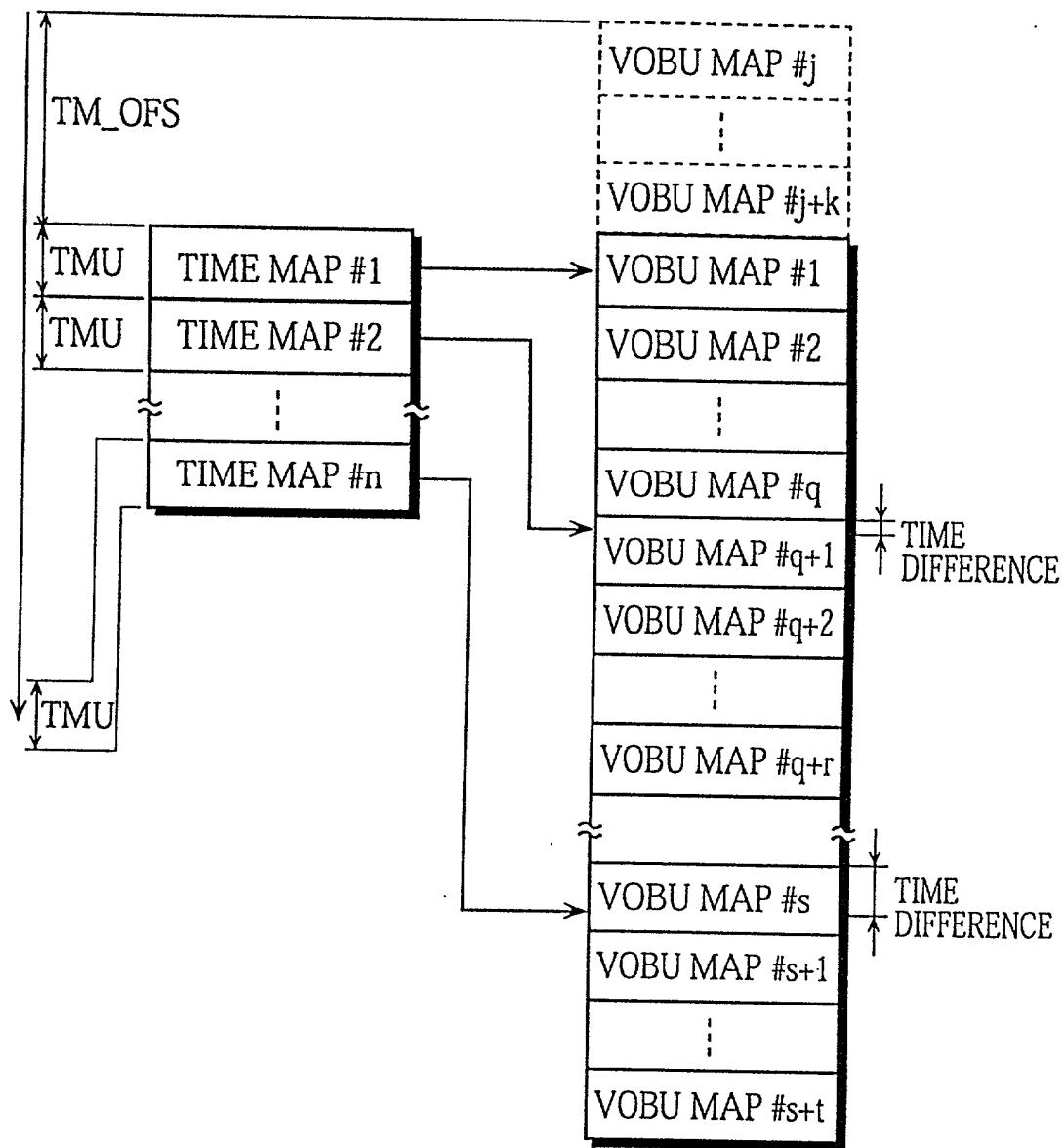


FIG. 14

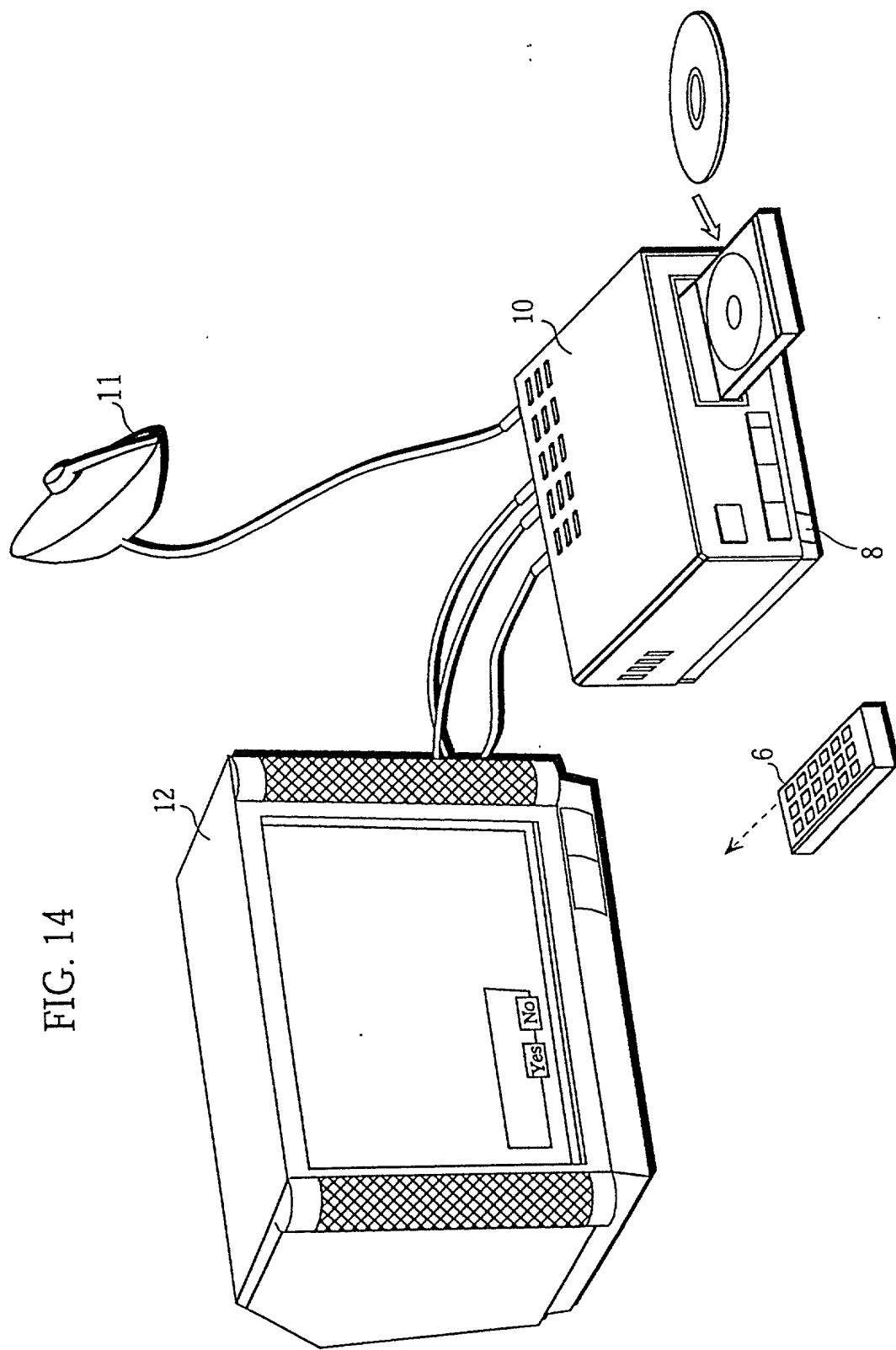


FIG. 15

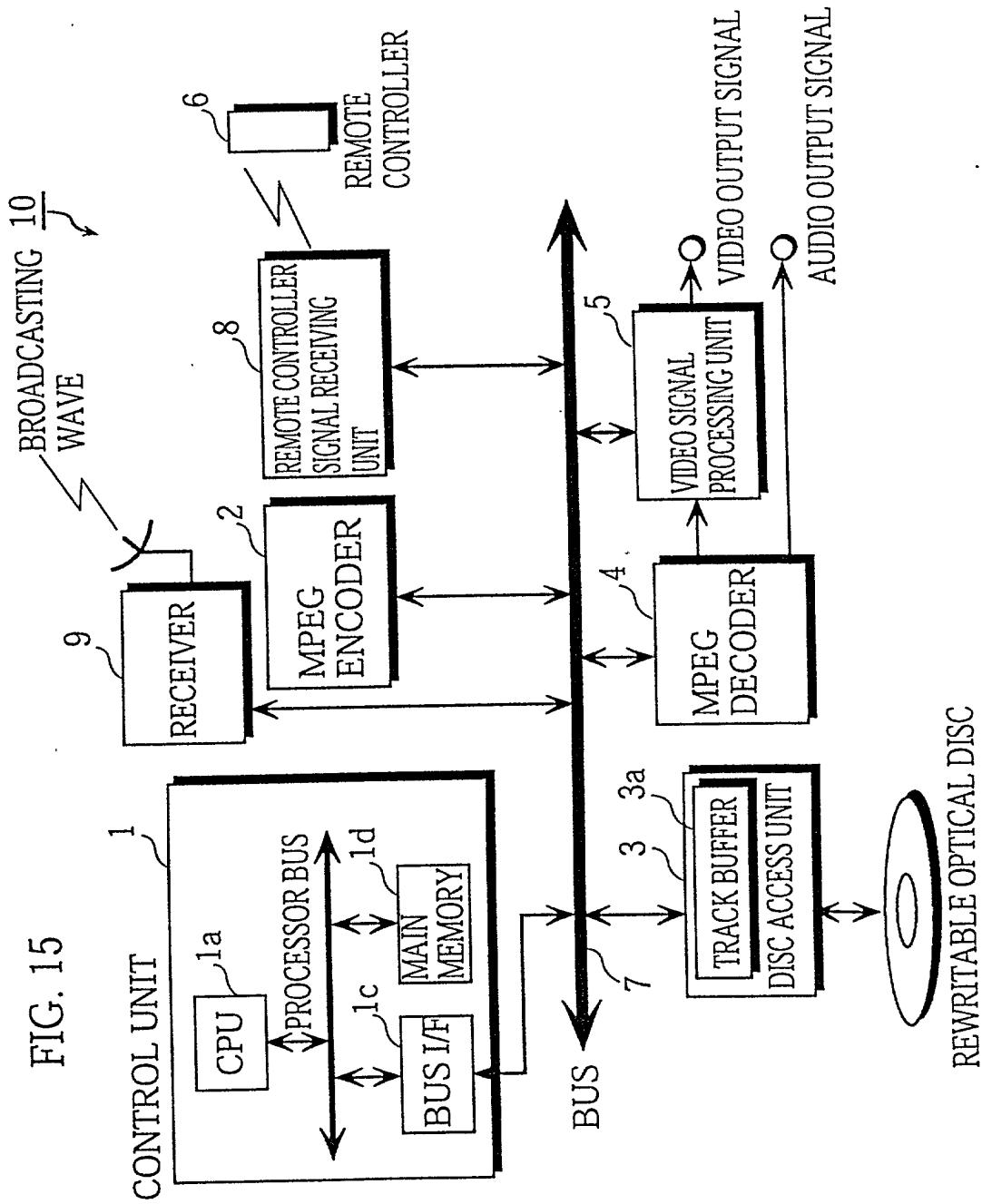


FIG. 16

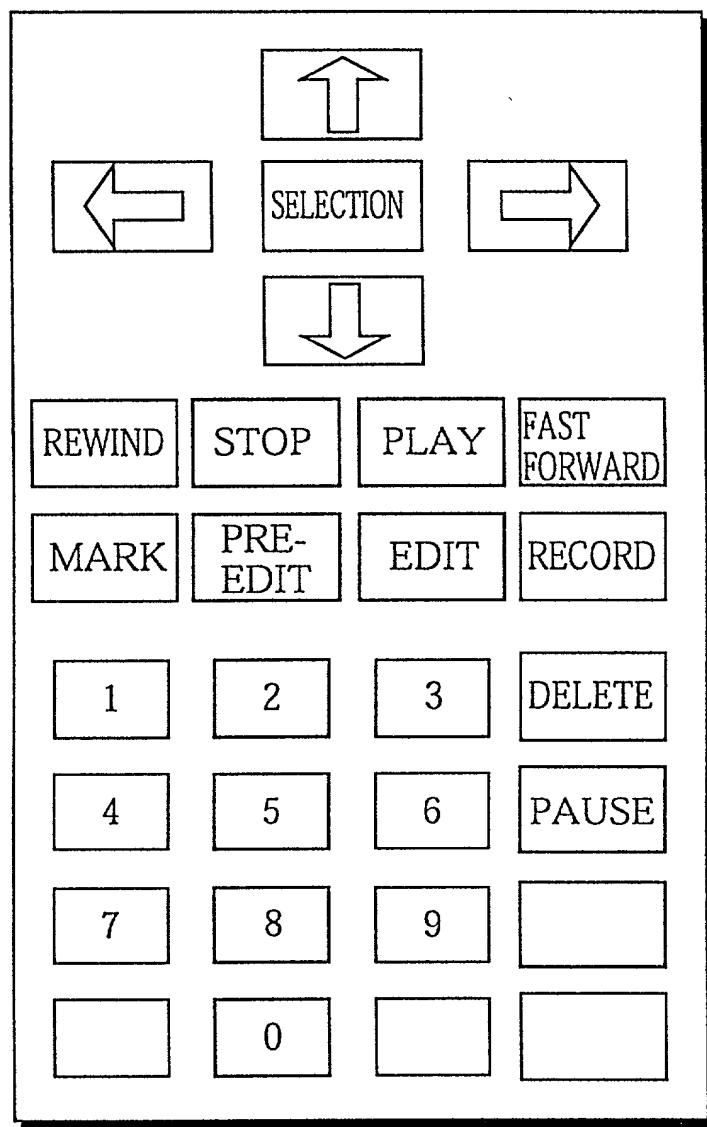


FIG. 17

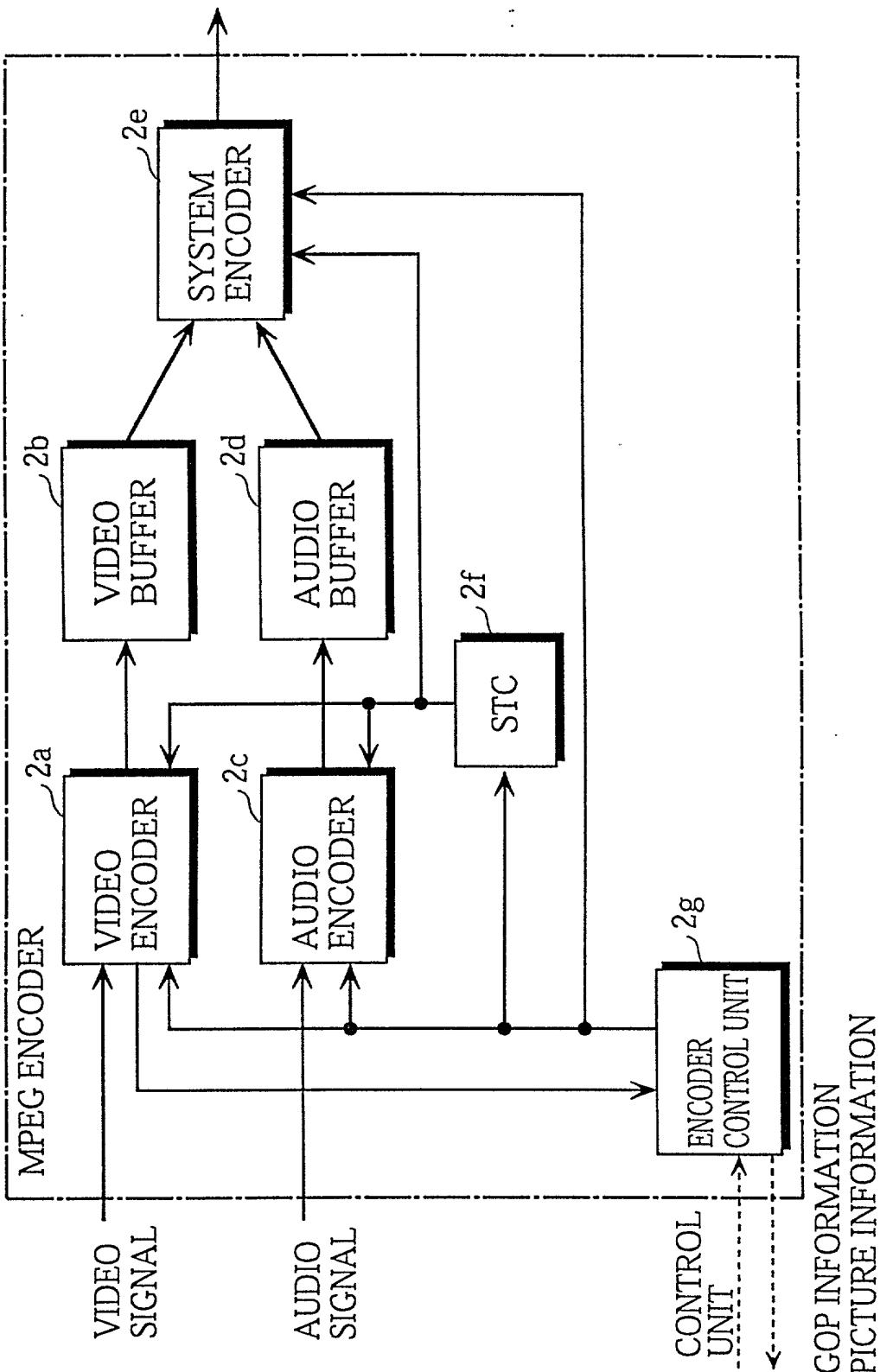


FIG. 18

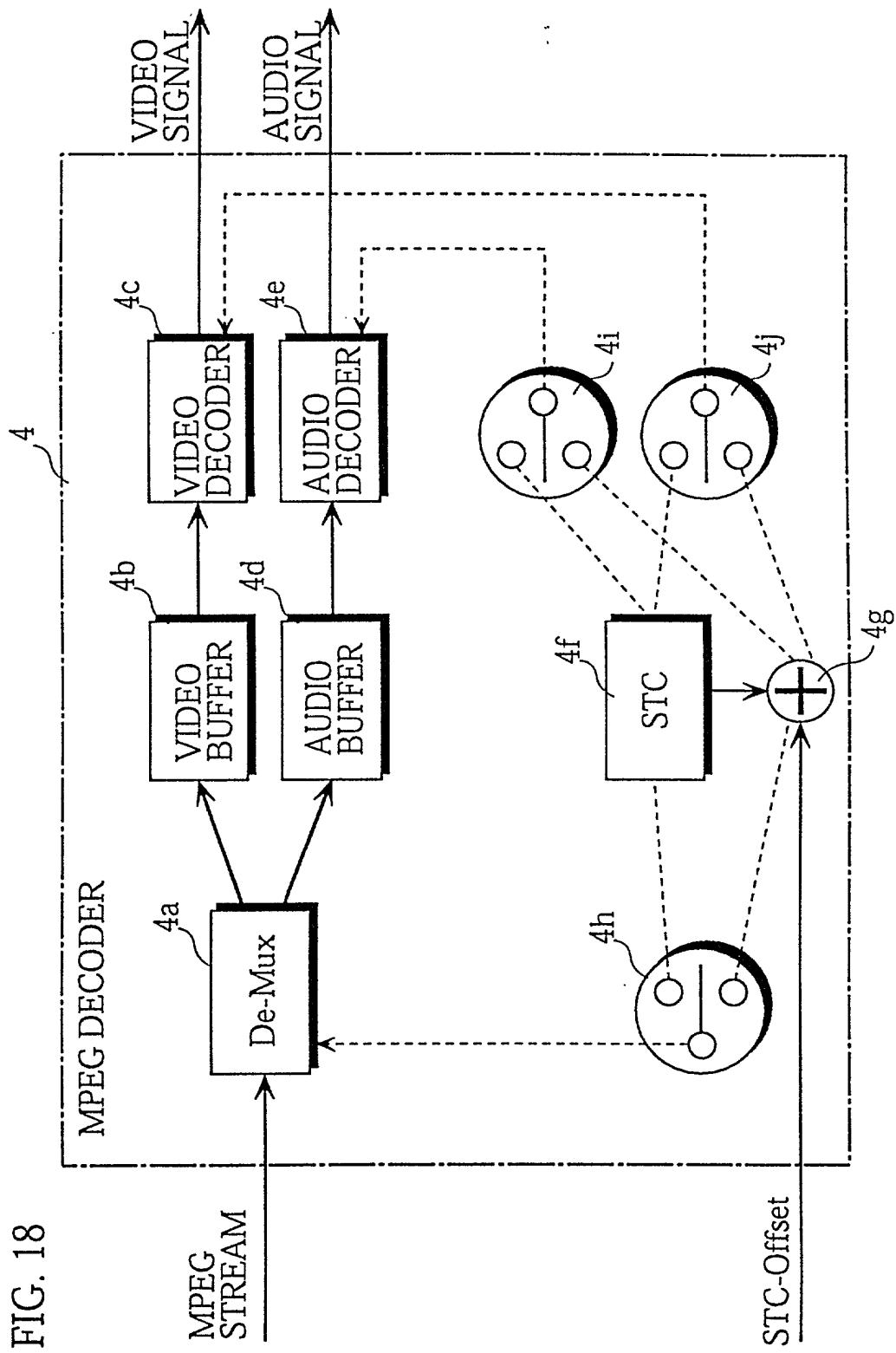


FIG. 19

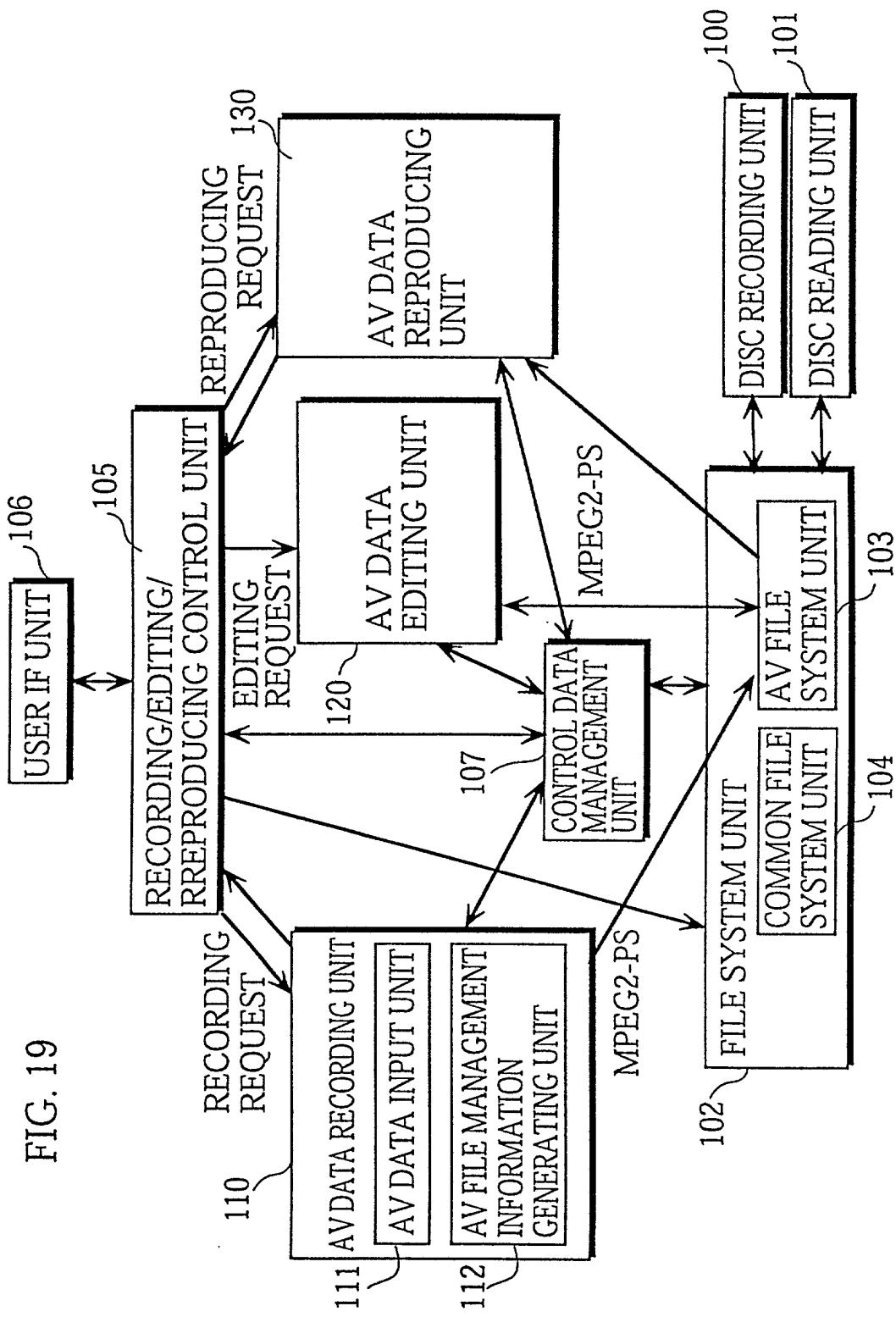


FIG. 20

COMMON FILE SYSTEM UNIT 104

CREATE	GENERATE A FILE
DELETE	DELETE A FILE
OPEN	OPEN A FILE
CLOSE	CLOSE A FILE
WRITE	WRITE A NON-AV FILE
READ	READ A FILE(COMMON TO AV AND NON-AV)
SEEK	MOVE INSIDE A DATA STREAM
RENAME	CHANGE A FILE NAME
MKDIR	GENERATE A DIRECTORY
RMDIR	REMOVE A DIRECTORY
STATFS	OBTAIN A FILE SYSTEM STATE
GET-ATTR	OBTAIN A FILE ATTRIBUTE
SET-ATTR	SET A FILE ATTRIBUTE
SEARCH_DISCON	DETECT WHETHER A SPECIFIED SECTION INCLUDES A DISCONTINUOUS BOUNDARY(ZONE BOUNDARY)

AV FILE SYSTEM UNIT 103

MERGE	MERGE OF AVFILE1+BUFFER+AVFILE2
SPLIT	SPLIT AN AV FILE
SHORTEN	DELETE AN EDGE OF AV FILE
REPLACE	REPLACE A PART OF AV FILE

FIG. 21

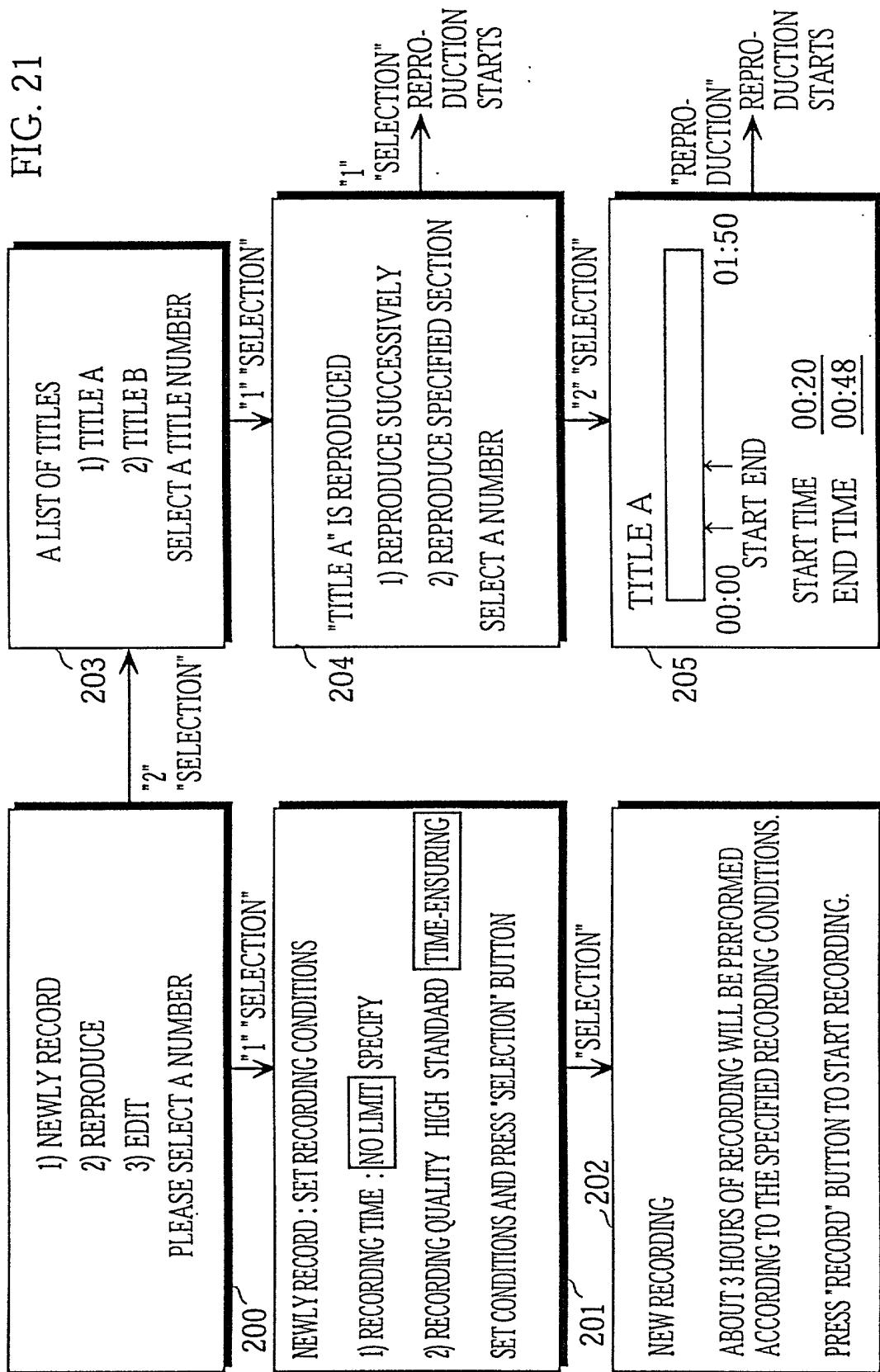


FIG. 22

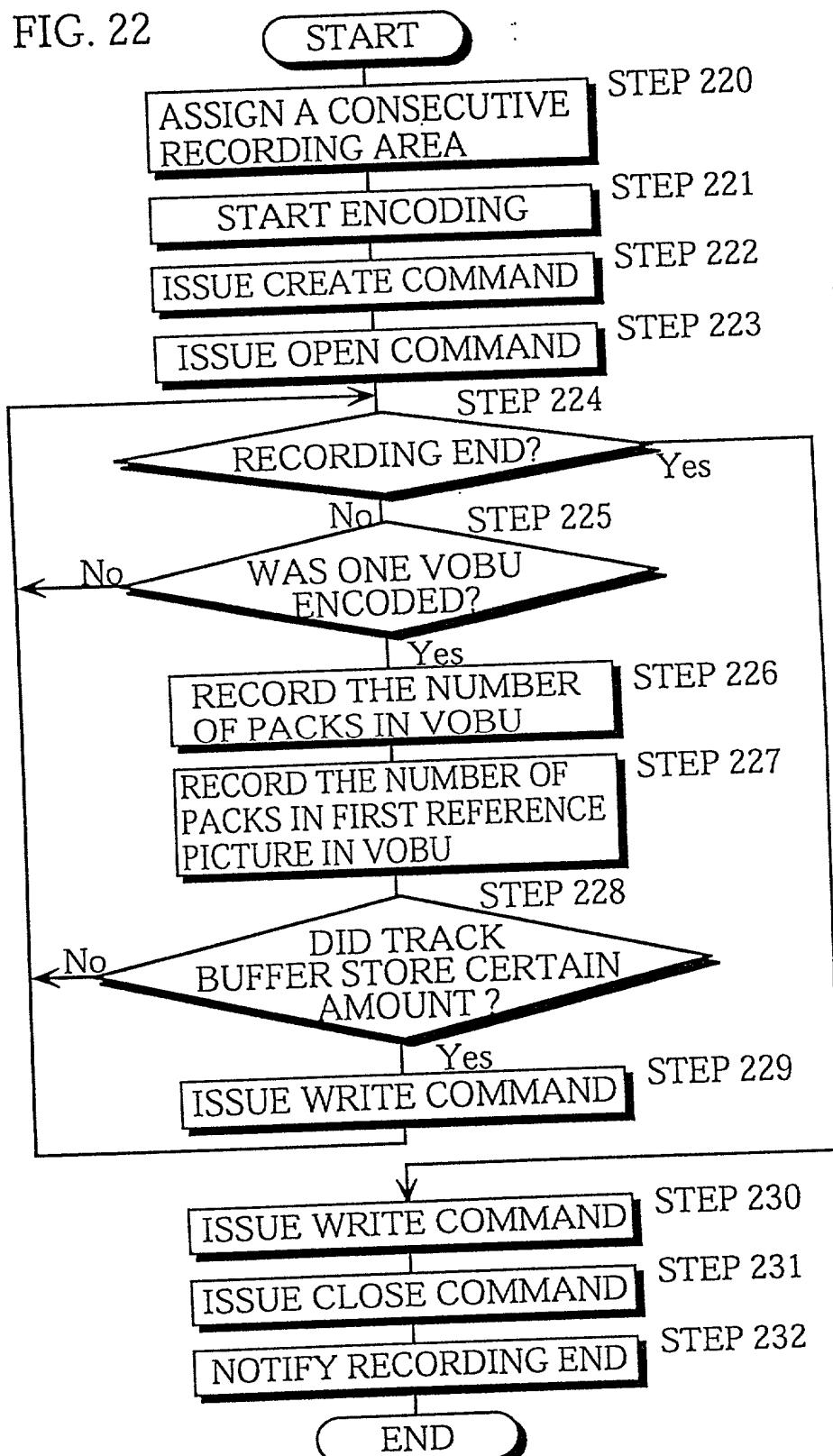


FIG. 23

VOBU NO.	NUMBER OF PACKS IN FIRST REFERENCE PICTURE IN VOBU	NUMBER OF PACKS IN VOBU
#1	14	46
#2	15	51
#3	13	49
#4	14	47
#5	14	46
#6	15	51
#7	13	49
#8	14	47
#9	14	46
#10	15	51
#11	13	49
#12	14	47
:	:	:
#21	15	51
#22	13	49
:	:	:

FIG. 24

PROCESS BY THE AV FILE MANAGEMENT  
INFORMATION GENERATING UNIT 112

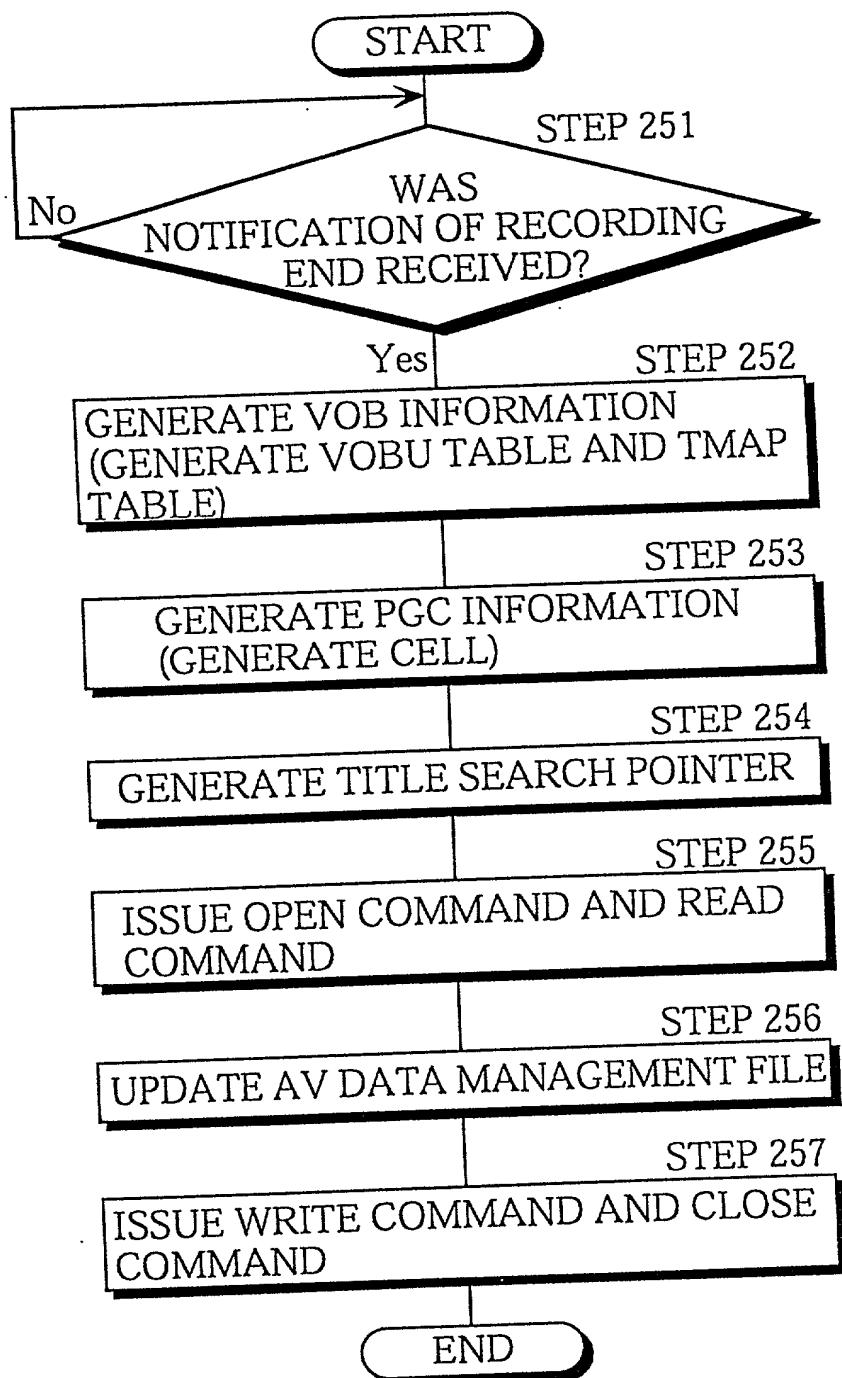
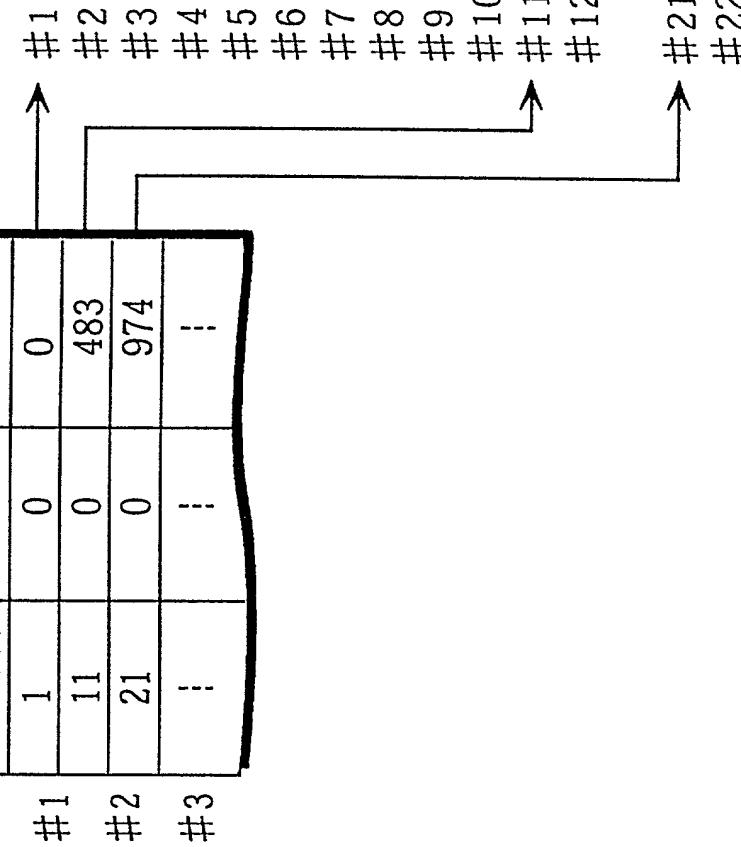


FIG. 25

TIME MAP TABLE

VOBU MAP NO.	TIME DIFFERENCE	VOBU ADDRESS
#1	0	0
11	0	483
#2	21	0
21	0	974
#3	:	:



VOBU TABLE

NUMBER OF PACKS IN REFERENCE PICTURE	REPRO- DUCTION TIME	NUMBER OF VOBU PACKS
14	30	46
15	30	51
13	30	49
14	30	47
14	30	46
15	30	51
13	30	49
14	30	47
~	~	~
15	30	51
13	30	49
~	~	~
~	~	~

FIG. 26

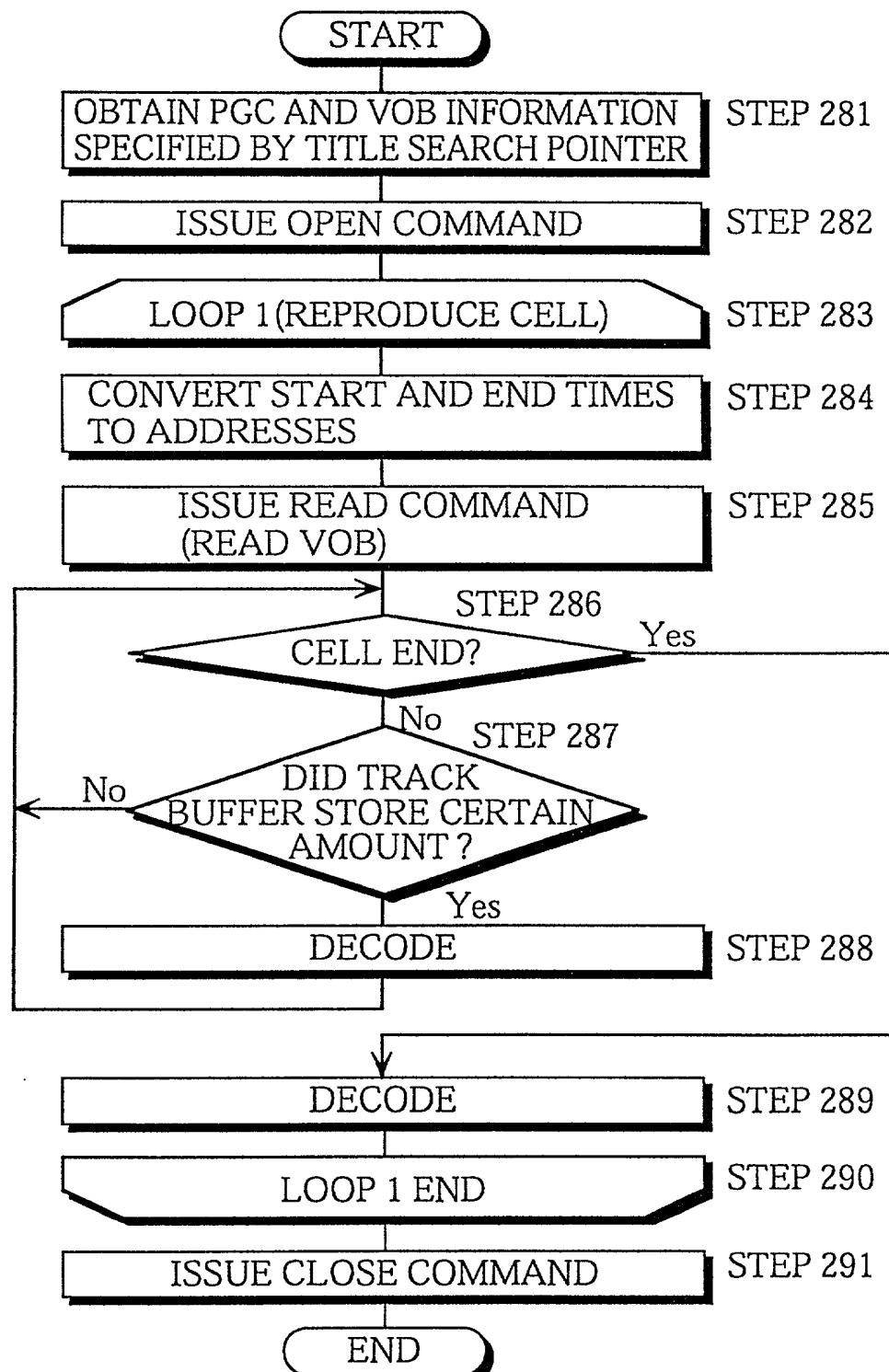


FIG. 27

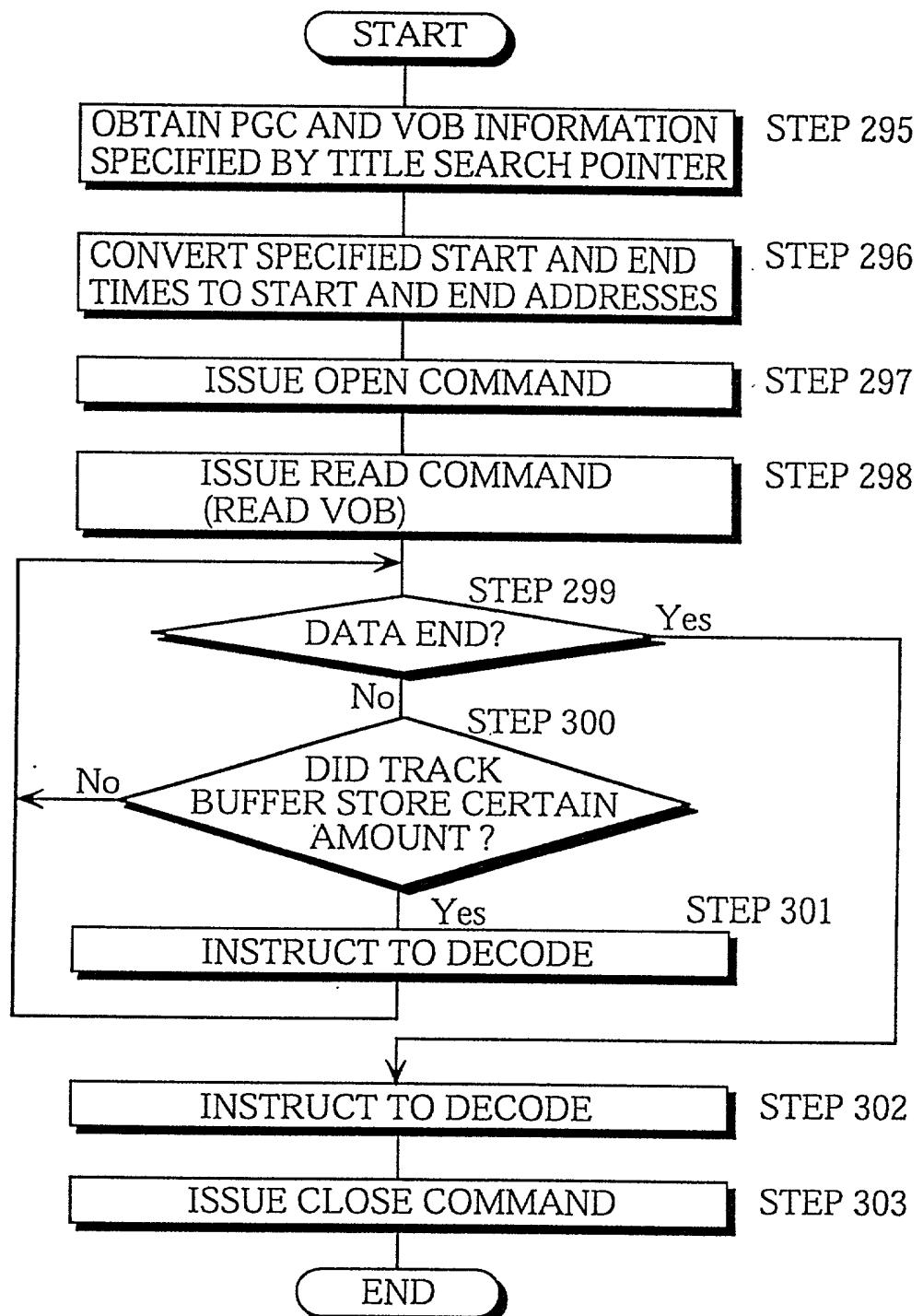


FIG. 28

